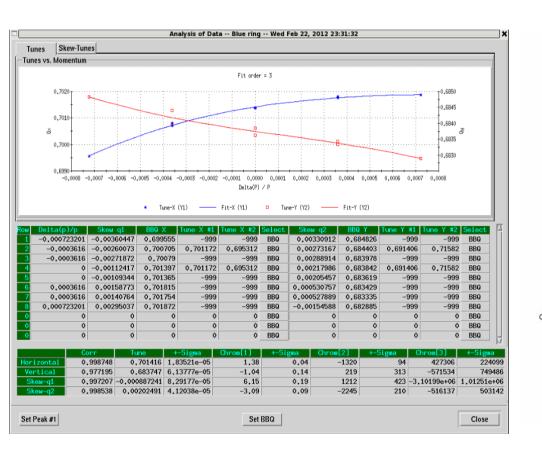
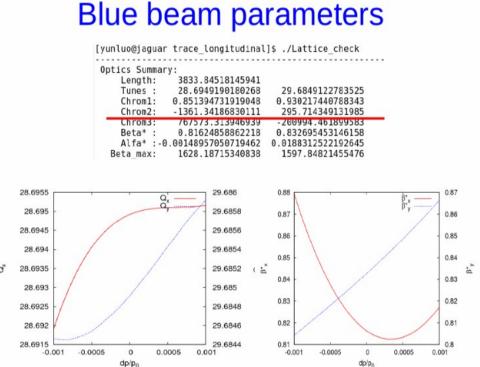
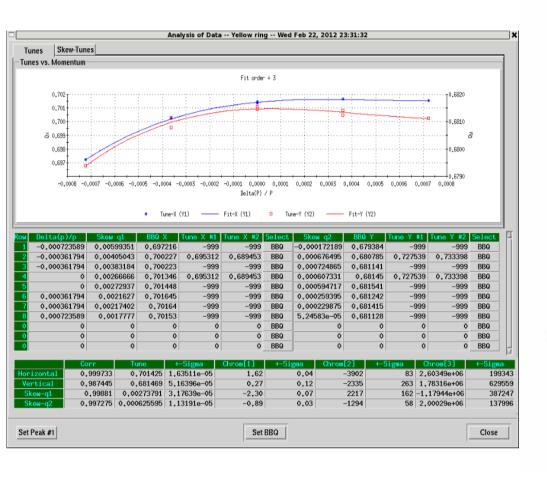
Nonlinear Chromaticity and beta-beat Correction

Feb.22, 2012 APEX Session, Yun, Al, Mei, Simon

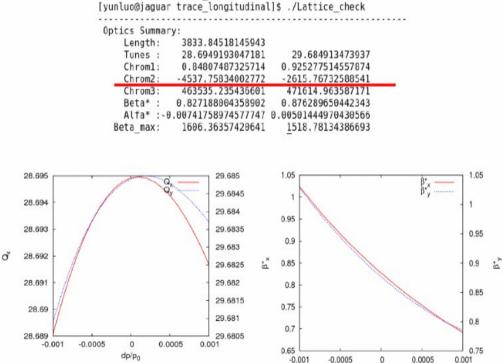




Measurement and model prediction agree well.



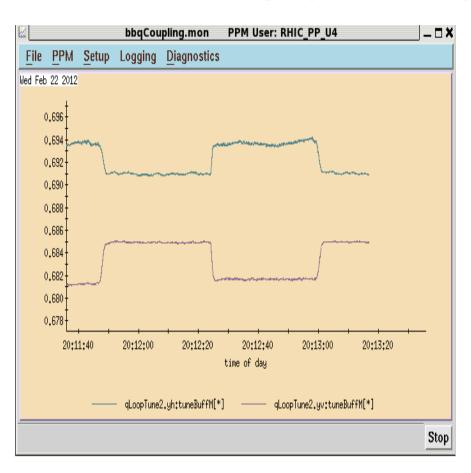
Yellow beam parameters



dp/po

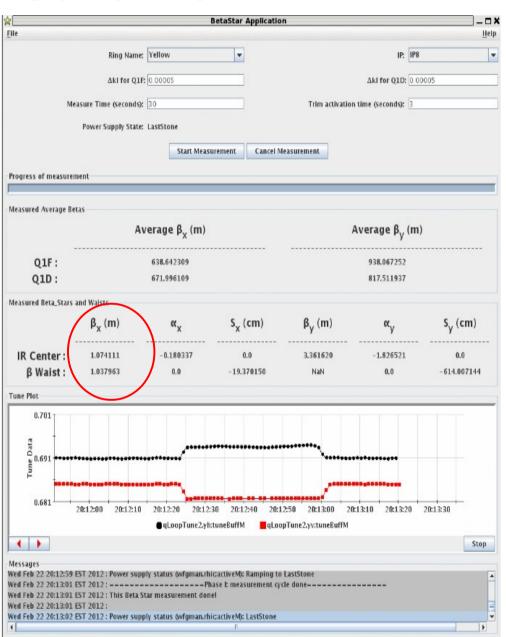
Measurement and model prediction agree well.

Beta^* Measurement



Measured at Yellow IP8.

Measured horizontal beta* is 1m. Measured vertical should be smaller than 1 m (the online code is being checked).



Plan for next APEX Session

- Beam time request: 2 hours (1 ramp)
- Activities:
 - → apply Q" correction to yellow ring
 - → measure off-momentum beta-beat
 - → measure beta*-beat